

### **Abstract of the Disclosure**

The invention concerns a device for stirring a liquid (L) in a reactor and for injecting a gas in said liquid, comprising a self-aspirating turbine (5) for producing a gas-liquid dispersion, an axial flow rotor (4) with axial flow for collecting said dispersion, and means for directing the gas-liquid dispersion towards said axial flow rotor (4) with axial flow. The invention is characterized in that said means comprise deflecting means (8) integrated in the self-aspirating turbine (5). The invention is applicable to the biological treatment of industrial effluents.